

●CD-ROM Spindle motor driver

Part No.	Supply voltage (V)		Power dissipation (mW)	Maximum output current (mA)	Motor drive system	Rotating switch	Servo input	Direction detection output	Hall signal output	Hall bias	Power save	TSD	Package
	Control block	Output block											
BA6840BFS/BFP-Y/BFP/BFM	4.25~5.5	3~20	930/1700/2140	1300	Pseudo linear	○	R/F			○	○	○	SSOP-A20/HSOP25/HSOP28/HSOP-M28
BA6842BFS			1000	1300	Pseudo linear	○	R/F			○	○	○	SSOP-P32
BA6843AFS/AFP-Y	4.25~5.5	3~15	1000/1450	1300	Soft switching		R/F	○	○	○	○	○	HSOP25/SSOP-A24
BA6844AFP/AFM			1700/2140	1300	Soft switching		R/F	○	○	○	○	○	○

Note : TSD: Stands for Thermal Shutdown for consistency.

●Loading motor driver

Part No.	Supply voltage (V)	Power dissipation (W)	Output	Condition	Output system	Number of circuits	TSD	Features	Package
BA6191	-7~16	2.2	+5V or -5V	V _{cc} =-10V V _{ref} =2.5V	H bridge	2	○	2 channel independent FWD/REV	HSIP-B12
BA6193	-7~16	1.0	+5V or -5V	V _{cc} =-10V V _{ref} =2.5V	H bridge	2	○	Negative power supply	DIP16

Package
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ODD

●Laser power controller

Part No.	Supply voltage (V)	Function	Features	Package
BH9610K	12	Laser power controller	High and low recording signal levels are selectable. Includes an error detection circuit.	QFP44

FDD/HDD

●Read/Write Amplifier

Part No.	Supply voltage (V)	Sleep mode	Stand-by mode	Filter selection		Write current selection		Features	Package
				Mode	Multi-step selection	Mode	Inner/Outer track		
BH6620AK	5	○	L : Active	1M/1M(F2)/1.6M/2M	○	1M/1M(F2)/1.6M/2M	2-4 steps	Capable of 4 modes	QFP32
BH6623AK		○	L : Active	1M/2M/2M/special		1M/2M/special	2 steps	Capable of special mode	QFP32
BH6625FS			L : Active	1M/1M(F2)/1.6M/2M	○	1M/1M(F2)/1.6M/2M	2-4 steps	Capable of 4 modes	SSOP-A24
BH6626FS			L : Active	1M/2M/special		1M/2M/special	2 steps	Capable of special mode	SSOP-A24
BH6627FS			L : Active	1M/1M(2F)/1.6M/2M	○	1M/1M(F2)/1.6M/2M	2-4 steps	Capable of 4 modes	SSOP-A24
BH6628AFS			H : Active	1M/1M(F2)/1.6M/2M	○	1M/1M(F2)/1.6M/2M	2-4 steps	Capable of 4 modes	SSOP-A24
BH6629FS			L : Active	1M/2M/special		1M/2M/special	2 steps	Capable of special mode	SSOP-A24

●HDD shock sensor

Part No.	Supply voltage (V)	Function	Features	Package
BU3892FV	5	2 independent shock sensor amps and detectors	Low input bias current. Low power consumption mode	SSOP-B16

Note : ○ : Under development

SCSI

●SCSI active terminator

Part No.	Supply voltage (V)	Function/Features	Enable logic	Package
BH9595FP-Y	4.0~5.5	18 circuits. Built-in constant voltage circuit. compatible of SCSI-I, -II, -III (ULTRA FAST).	H : Enable	HSOP25
BH9596FP-Y	4.0~5.5		L : Enable	HSOP25

●SCSI active terminator (Hybrid ICs)

Part No.	Function	Package	Dimensions (mm)	Features
BP3510	SCSI active terminator	SIP22pin	42.5 × 10 × 5.3	Compatible with SCSI-I and II. 18 circuits. Built-in power supply. Built-in enable circuit.

Note : For packaging, please see packaging specification in Hybrid ICs on page 64.

Clock generator

Part No.	Supply voltage (V)	Function	Crystal oscillator	Output frequency			Package
				1	2	3	
BU2173F	5	With one quartz oscillator, three clock outputs are available.	13.5MHz	40.5MHz	27.0/28.6/28.4MHz	3.375MHz	SOP18
BU2191F	5		15.0MHz	15.0MHz	40MHz	32MHz	SOP8

Note : ○ : Under development